

Occupational Projections for North Central Wisconsin, 2003-2005

SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
00-0000	Total, All Occupations	198,060	202,160	4,100	2.07%	2,050	4,940	6,990		\$30,472	\$8.76 - 17.52
11-0000	Management Occupations	7,480	7,660	180	2.41%	90	120	210		\$67,984	\$19.97 - 40.76
11-1011	Chief Executives	310	320	10	3.23%	<5	10	10	Bachelor's or higher degree, plus work exp.	\$124,115	\$38.56 -
11-1021	General/Operations Mgrs	1,980	2,030	50	2.53%	30	30	60	Bachelor's or higher degree, plus work exp.	\$74,800	\$20.34 - 44.75
11-1031	Legislators	420	420	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp.	\$24,746	\$6.31 - 11.12
11-2011	Advertising/Promotions Mgrs	110	110	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$47,800	\$14.88 - 29.87
11-2021	Marketing Mgrs	140	140	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$81,359	\$27.34 - 46.35
11-2022	Sales Mgrs	310	320	10	3.23%	10	10	20	Bachelor's or higher degree, plus work exp.	\$78,792	\$24.36 - 47.64
11-2031	Public Relations Mgrs	80	80	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$49,295	\$15.74 - 28.86
11-3011	Admin Services Mgrs	300	300	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp.	\$55,733	\$18.21 - 33.94
11-3021	Computer/Info Systems Mgrs	270	280	10	3.70%	<5	10	10	Bachelor's or higher degree, plus work exp.	\$76,659	\$27.54 - 45.81
11-3031	Financial Mgrs	450	460	10	2.22%	10	10	20	Bachelor's or higher degree, plus work exp.	\$76,985	\$24.91 - 43.56
11-3040	Human Resources Mgrs	190	200	10	5.26%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$64,832	\$22.13 - 38.7
11-3051	Industrial Production Mgrs	370	380	10	2.70%	10	10	20	Bachelor's degree	\$65,330	\$22.78 - 40.41
11-3061	Purchasing Mgrs	140	140	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$62,252	\$18.6 - 37.95
11-3071	Trans/Storage/Dist Mgrs	140	140	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$64,603	\$24.29 - 39.37
11-9011	Farm/Ranch/Other Ag Mgrs	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
11-9021	Const Mgrs	150	160	10	6.67%	<5	<5	<5	Bachelor's degree	\$65,712	\$25.51 - 34.76
11-9031	Ed Administrators, Preschool & Child Care	100	100	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$32,494	\$10.36 - 16.72
11-9032	Ed Admin, Elem. & Secondary School	230	230	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp.	\$71,478	
11-9033	Education Administrators, Postsecondary	170	170	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$68,516	\$24.22 - 40.85
11-9039	Education Administrators, All Other	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
11-9041	Engineering Mgrs	170	170	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$77,526	\$31.58 - 42.45
11-9051	Food Service Mgrs	310	320	10	3.23%	<5	10	10	Work experience in a related occupation	\$38,059	\$12.77 - 21.5
11-9061	Funeral Directors	50	50	0	0.00%	<5	<5	<5	Associate degree	\$65,959	\$24.74 - 38.01
11-9071	Gaming Mgrs	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$63,157	\$18.41 - 30.21
11-9081	Lodging Mgrs	70	70	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$33,694	\$12.85 - 17.29
11-9111	Medical/Health Services Mgrs	370	380	10	2.70%	10	10	20	Bachelor's or higher degree, plus work exp.	\$65,060	\$24.22 - 37.72
11-9121	Natural Sciences Mgrs	20	20	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$73,858	\$24.84 - 44.26
11-9131	Postmasters/Mail Superintendents	50	50	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$53,308	\$22.37 - 26.74
11-9141	Prop/RE/Community Assoc Mgrs	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$41,324	\$12.52 - 31.12
11-9151	Social/Community Service Mgrs	160	170	10	6.25%	<5	<5	<5	Bachelor's degree	\$42,651	\$15.39 - 24.49
11-9199	Mgrs All Other	350	360	10	2.86%	<5	10	10	Work experience in a related occupation	\$68,574	\$22.56 - 41.03
13-0000	Business/Financial Operations Occs	6,320	6,520	200	3.16%	100	100	200		\$42,313	\$14.77 - 25.12
13-1011	Agents/Bus Mgrs Artsts/Prfrmrs/Ath	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
13-1021	Purch Agents/Buyers Farm Prod	30	30	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$44,428	\$15.06 - 22.43
13-1022	Whole/Retail Buyers Ex Farm Prod	190	190	0	0.00%	<5	10	10	Bachelor's degree	\$38,951	\$12.96 - 24.12
13-1023	Purch Agents Ex Whole/Retail/Farm	370	380	10	2.70%	10	10	20	Bachelor's degree	\$44,373	\$15.54 - 25.69
13-1031	Claims Adjust/Exam/Investigators	790	820	30	3.80%	20	10	30	Long-term on-the-job training	\$41,139	\$15.8 - 22.94

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13-1032	Insurance Appraisers Auto Damage	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$43,747	\$18.92 - 22.52
13-1041	Compl Offcrrs Ex Ag/Cnst/Hlth/Sfty/Tr	170	170	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$38,188	\$14.02 - 21.59
13-1051	Cost Estimators	300	310	10	3.33%	10	10	20	Bachelor's degree	\$44,355	\$16.03 - 25.09
13-1061	Emergency Mgmt Specialists	40	40	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$43,621	\$17.38 - 25.46
13-1071	Empl/Recruit/Placement Specialists	170	170	0	0.00%	<5	<5	<5	Bachelor's degree	\$38,140	\$13.82 - 21.67
13-1072	Compen/Benefits/Job Specialists	130	130	0	0.00%	<5	<5	<5	Bachelor's degree	\$40,122	\$14.95 - 21.24
13-1073	Training/Development Specialists	240	250	10	4.17%	<5	<5	<5	Bachelor's degree	\$41,664	\$13.74 - 24.58
13-1111	Management Analysts	250	260	10	4.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$51,488	\$19.85 - 28.87
13-1121	Meeting/Convention Planners	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$24,857	\$10.35 - 13.46
13-1199	Business Oper Specialists/All Other	1,210	1,250	40	3.31%	20	20	40	Bachelor's degree	\$32,072	\$6.38 - 23.67
13-2011	Accountants/Auditors	1,110	1,140	30	2.70%	20	20	40	Bachelor's degree	\$46,377	\$16.64 - 26.71
13-2021	Appraisers/Assessors Real Estate	60	60	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$37,926	\$14.18 - 23.6
13-2031	Budget Analysts	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$45,688	\$15.1 - 28.59
13-2041	Credit Analysts	50	60	10	20.00%	<5	<5	<5	Bachelor's degree	\$47,607	\$18.12 - 27.33
13-2051	Financial Analysts	90	100	10	11.11%	<5	<5	<5	Bachelor's degree	\$82,723	\$20.7 - 44.5
13-2052	Personal Financial Advisors	80	90	10	12.50%	<5	<5	<5	Bachelor's degree	\$51,369	\$13.71 - 34.01
13-2053	Insurance Underwriters	390	400	10	2.56%	10	10	20	Bachelor's degree	\$46,569	\$16.69 - 26.73
13-2061	Financial Examiners	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
13-2071	Loan Counselors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
13-2072	Loan Officers	300	320	20	6.67%	10	10	20	Bachelor's degree	\$46,488	\$16.59 - 26.46
13-2081	Tax Exam/Collctrs/Revenue Agents	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$44,339	\$15.91 - 27.43
13-2082	Tax Preparers	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,389	\$10.63 - 16.65
13-2099	Financial Specialists/All Other	80	80	0	0.00%	<5	<5	<5	Bachelor's degree	\$47,747	\$17.41 - 27.88
15-0000	Computer & Mathematical Occupations	2,890	3,000	110	3.81%	60	40	100		\$49,136	\$17.73 - 28.64
15-1011	Computer/Info Scientists/Research	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
15-1021	Computer Programmers	490	490	0	0.00%	<5	10	10	Bachelor's degree	\$55,284	\$20.51 - 31.31
15-1031	Computer Software Engrns Apps	260	280	20	7.69%	10	<5	10	Bachelor's degree	\$58,859	\$23.46 - 33.43
15-1032	Computer Soft Engrns Systms Soft	120	130	10	8.33%	<5	<5	<5	Bachelor's degree	\$61,642	\$23.44 - 35.91
15-1041	Computer Support Specialists	480	490	10	2.08%	10	10	20	Associate degree	\$35,429	\$12.78 - 20.75
15-1051	Computer Systems Analysts	690	720	30	4.35%	10	10	20	Bachelor's degree	\$53,574	\$21.75 - 29.92
15-1061	Database Administrators	90	100	10	11.11%	<5	<5	<5	Bachelor's degree	\$46,338	\$14.01 - 28.09
15-1071	Network/Computer Systems Admin	250	260	10	4.00%	<5	<5	<5	Bachelor's degree	\$51,346	\$19.63 - 29.25
15-1081	Network Systms/Data Comm Analysts	150	160	10	6.67%	10	<5	10	Bachelor's degree	\$51,448	\$17.78 - 28.43
15-1099	Computer Specialists/All Other	250	260	10	4.00%	10	<5	10	Associate degree	\$46,232	\$18.75 - 26.36
15-2011	Actuaries	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
15-2021	Mathematicians	*	*	*	*	<5	<5	<5	Master's degree	*	*
15-2031	Operations Research Analysts	50	60	10	20.00%	<5	<5	<5	Master's degree	\$57,239	\$23.98 - 32.68
15-2041	Statisticians	*	*	*	*	<5	<5	<5	Master's degree	*	*
17-0000	Architecture/Engineering Occupations	2,400	2,440	40	1.67%	20	50	70		\$47,493	\$16.71 - 27.74

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17-1011	Architects/Ex Landscape/Naval	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$53,519	\$20.52 - 31.45
17-1012	Landscape Architects	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-1021	Cartographers/Photogrammetrists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-1022	Surveyors	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$40,052	\$17.92 - 21.28
17-2011	Aerospace Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2021	Ag Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2031	Biomedical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2041	Chemical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2051	Civil Engineers	160	160	0	0.00%	<5	<5	<5	Bachelor's degree	\$54,160	\$22.59 - 29.49
17-2061	Computer Hardware Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2071	Electrical Engineers	150	150	0	0.00%	<5	<5	<5	Bachelor's degree	\$60,024	\$23.08 - 34.32
17-2072	Electronics Engineers/Ex Computer	90	90	0	0.00%	<5	<5	<5	Bachelor's degree	\$52,641	\$20.47 - 29.41
17-2081	Environmental Engineers	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$54,333	\$19.91 - 32.18
17-2111	Health/Safety Engineers/Ex Mining	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$56,610	\$20.34 - 33.63
17-2112	Industrial Engineers	250	260	10	4.00%	<5	10	10	Bachelor's degree	\$57,026	\$20.89 - 32.08
17-2131	Materials Engineers	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$53,952	\$21.68 - 29.57
17-2141	Mechanical Engineers	350	370	20	5.71%	10	10	20	Bachelor's degree	\$58,715	\$20.52 - 34.65
17-2151	Mining/Geological Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2161	Nuclear Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2199	Engineers/All Other*	130	130	0	0.00%	<5	<5	<5	Bachelor's degree	\$62,019	\$23.16 - 36.66
17-3011	Architectural/Civil Drafters	120	120	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$35,492	\$14.06 - 19.58
17-3012	Electrical/Electronics Drafters	50	50	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$39,808	\$14.61 - 21.29
17-3013	Mechanical Drafters	170	170	0	0.00%	<5	10	10	Postsecondary vocational training	\$35,011	\$13.52 - 19.86
17-3021	Aerospace Engrng/Opers Techs	*	*	*	*	<5	<5	<5	Associate degree	*	*
17-3022	Civil Engineering Techs	90	80	-10	-11.11%	<5	<5	<5	Associate degree	\$38,060	\$15.24 - 21.14
17-3023	Electrical/Electronic Engrng Techs	140	140	0	0.00%	<5	<5	<5	Associate degree	\$40,220	\$16.43 - 21.74
17-3024	Electro-Mechanical Techs	30	30	0	0.00%	<5	<5	<5	Associate degree	\$39,587	\$16.18 - 21.63
17-3025	Environmental Engineering Techs	*	*	*	*	<5	<5	<5	Associate degree	*	*
17-3026	Industrial Engineering Techs	70	70	0	0.00%	<5	<5	<5	Associate degree	\$48,306	\$18.3 - 27.11
17-3027	Mechanical Engineering Techs	110	110	0	0.00%	<5	<5	<5	Associate degree	\$34,952	\$14.75 - 19.91
17-3031	Surveying/Mapping Techs	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$25,799	\$9.4 - 14.6
17-3099 ⁽⁷⁾	Drafters/Engrng/Map Techs AO	90	90	0	0.00%	<5	<5	<5	Associate degree	\$40,514	\$15.7 - 23.73
19-0000	Life, Physical, and Social Science Occs	1,510	1,540	30	1.99%	10	30	40		\$43,253	\$14.77 - 25.23
19-1010	Ag/Food Scientists	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$52,363	\$15.63 - 29.54
19-1021	Biochemists/Biophysicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-1022	Microbiologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-1023	Zoologists/Wildlife Biologists	10	10	0	0.00%	<5	<5	<5	Doctoral degree	\$48,232	\$18.03 - 26.5
19-1031	Conservation Scientists	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$48,861	\$19.9 - 26.73
19-1032	Foresters	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$36,826	\$10.31 - 22.51

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19-1041	Epidemiologists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-1042	Med Scientists Ex Epidemiologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-1099	Life Scientists/All Other	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$48,314	\$16.87 - 30.44
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-2012	Physicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-2021	Atmospheric and Space Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
19-2031	Chemists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
19-2032	Materials Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
19-2041	Environ Sci/Specialists/Incl Health	60	60	0	0.00%	<5	<5	<5	Master's degree	\$45,609	\$14.77 - 25.27
19-2042	Geosci Ex Hydrolog/Geograph	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-2043	Hydrologists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-2099	Physical Scientists/All Other	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$61,163	\$20.52 - 30.53
19-3011	Economists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3021	Market Research Analysts	210	220	10	4.76%	10	10	20	Master's degree	\$43,488	\$15.34 - 23.69
19-3022	Survey Researchers	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3031	Clinical/Counseling/School Psych	170	170	0	0.00%	<5	<5	<5	Doctoral degree	\$57,558	\$21.2 - 31.94
19-3041	Sociologists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3051	Urban/Regional Planners	40	40	0	0.00%	<5	<5	<5	Master's degree	\$46,168	\$17.69 - 25.53
19-3092	Geographers	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3093	Historians	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3094	Political Scientists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3099	Social Scientists/Related Wrks AO	110	110	0	0.00%	<5	<5	<5	Master's degree	\$58,557	\$24.6 - 32.49
19-4011	Ag/Food Science Techs	50	50	0	0.00%	<5	<5	<5	Associate degree	\$34,163	\$10.26 - 22.79
19-4021	Biological Techs	50	50	0	0.00%	<5	<5	<5	Associate degree	\$33,491	\$12.65 - 19.55
19-4031	Chemical Techs	70	70	0	0.00%	<5	<5	<5	Associate degree	\$30,780	\$11.16 - 18.53
19-4091	Envir Sci/Protect Techs Incl Health	20	30	10	50.00%	<5	<5	<5	Associate degree	\$31,835	\$10.69 - 18.62
19-4093	Forest/Conservation Techs	20	20	0	0.00%	<5	<5	<5	Associate degree	\$32,237	\$12.43 - 18.46
19-4099	Life, Physical, & Social Science Tech, AO	100	100	0	0.00%	<5	<5	<5	Associate degree	\$38,062	\$15.01 - 21.67
21-0000	Community/Social Services Occs	3,640	3,700	60	1.65%	30	60	90		\$33,060	\$11.1 - 19.72
21-1011	Sub Abuse/Behavior Disordr Cnslrs	120	120	0	0.00%	<5	<5	<5	Master's degree	\$33,611	\$14.23 - 18.5
21-1012	Ed+B585/Vocational/School Counselors	200	200	0	0.00%	<5	<5	<5	Master's degree	\$43,447	\$16.06 - 25.97
21-1013	Marriage/Family Therapists	50	50	0	0.00%	<5	<5	<5	Master's degree	\$49,358	\$19.13 - 29.59
21-1014	Mental Health Counselors	100	110	10	10.00%	<5	<5	<5	Master's degree	\$43,811	\$15.85 - 26.14
21-1015	Rehabilitation Counselors	130	130	0	0.00%	<5	<5	<5	Master's degree	\$28,049	\$10.9 - 14.7
21-1021	Child/Family/School Social Wrks	410	410	0	0.00%	<5	10	10	Master's degree	\$36,175	\$13.15 - 20.52
21-1022	Medical/Public Health Social Wrks	170	170	0	0.00%	<5	<5	<5	Master's degree	\$38,202	\$15.54 - 21.2
21-1023	Mental Hlth/Sub Abuse Social Wrks	210	220	10	4.76%	10	<5	10	Master's degree	\$38,685	\$13.96 - 21.82
21-1091	Health Educators	50	50	0	0.00%	<5	<5	<5	Master's degree	\$43,225	\$16.16 - 26.2
21-1092	Prob Offcrs/Correctnl Treat Spclsts	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*

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21-1093	Social/Human Service Assts	500	520	20	4.00%	10	10	20	Moderate-term on-the-job training	\$22,386	\$8.35 - 13.01
21-2011	Clergy	970	970	0	0.00%	<5	20	20	Master's degree	\$36,973	\$13.71 - 21.64
21-2021	Directors/Religious Activities/Ed	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
21-9099 ⁽⁷⁾	Counsel/Social/Religious Wrkrs AO	380	390	10	2.63%	10	10	20	Bachelor's degree	\$32,150	\$11.54 - 17.5
23-0000	Legal Occupations	800	810	10	1.25%	10	10	20		\$57,058	\$13.13 - 34.12
23-1011	Lawyers	430	440	10	2.33%	10	10	20	First professional degree	\$96,528	\$27.87 - 58.89
23-1021	Admin Law Jdgs/Adjudic/Hrng Offcr	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
23-1022	Arbitrators/Mediators/Conciliators	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
23-1023	Jdgs/Magistrate Jdgs/Magistrates	10	10	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$22,245	\$6.3 - 13.11
23-2011	Paralegals/Legal Assts	150	150	0	0.00%	<5	<5	<5	Associate degree	\$28,479	\$11.4 - 16.01
23-2091	Court Reporters	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
23-2092	Law Clerks	40	30	-10	-25.00%	<5	<5	<5	Bachelor's degree	\$49,109	\$16.32 - 27.39
23-2093	Title Exam/Abstractors/Searchers	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$36,476	\$12.68 - 23.37
23-9099 ⁽⁷⁾	Legal/Rel Wrkrs/All Other	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$36,791	\$14.41 - 22.59
25-0000	Ed, Training, & Library Occupations	9,270	9,440	170	1.83%	90	180	270		\$38,310	\$11.36 - 24.34
25-1011	Business Teachers/Postsec	80	90	10	12.50%	<5	<5	<5	Doctoral degree	\$55,449	
25-1021	Computer Science Teachers Ps	30	30	0	0.00%	<5	<5	<5	Doctoral degree	\$47,036	
25-1022	Mathematical Science Teachers Ps	50	50	0	0.00%	<5	<5	<5	Doctoral degree	\$49,872	
25-1031	Architecture Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1032	Engineering Teachers/Postsec	30	30	0	0.00%	<5	<5	<5	Doctoral degree	\$73,234	
25-1041	Ag Sciences Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1042	Biological Science Teachers Ps	40	40	0	0.00%	<5	<5	<5	Doctoral degree	\$51,399	
25-1043	Forestry/Cons Sci Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1051	Atmos/Erth/Marin/Space Sci Tch Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1052	Chemistry Teachers/Postsec	20	20	0	0.00%	<5	<5	<5	Doctoral degree	\$54,392	
25-1053	Environmental Sci TeachersPs	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1054	Physics Teachers/Postsec	10	10	0	0.00%	<5	<5	<5	Doctoral degree	\$43,947	
25-1061	Anthropology/Archeology Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1062	Area/Ethnic/Cultur Studies Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1063	Economics Teachers/Postsec	10	10	0	0.00%	<5	<5	<5	Doctoral degree	\$56,645	
25-1064	Geography Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1065	Political Science Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1066	Psychology Teachers/Postsec	30	30	0	0.00%	<5	<5	<5	Doctoral degree	\$56,898	
25-1067	Sociology Teachers/Postsec	20	20	0	0.00%	<5	<5	<5	Doctoral degree	\$47,408	
25-1071	Health Specialties Teachers Ps	*	*	*	*	10	10	20	Master's degree	*	*
25-1072	Nursing Instructors/Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1081	Ed Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1082	Library Science Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1111	Crim Jus/Law Enforce Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*

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		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
25-1112	Law Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1113	Social Work Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1121	Art/Drama/Music Teachers/Postsec	80	90	10	12.50%	<5	<5	<5	Master's degree	\$44,584	
25-1122	Communications Teachers Ps	40	40	0	0.00%	<5	<5	<5	Doctoral degree	\$51,791	
25-1123	English Language/Lit Teachers/Ps	50	60	10	20.00%	<5	<5	<5	Doctoral degree	\$46,959	
25-1124	Foreign Language/Lit Teachers/Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1125	History Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1126	Philosophy/Religion Teachers/Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1191	Graduate Teaching Assts	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
25-1192	Home Economics Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1193	Rec/Fitness Studies Teachers/Ps	*	*	*	*	<5	<5	<5	Master's degree	*	*
25-1194	Vocational Ed Teachers/Postsec	220	220	0	0.00%	<5	10	10	Work experience in a related occupation	\$57,153	\$23.8 - 31.8
25-1199	Postsec Teachers/All Other	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-2011	Preschool Teachers/Ex Special Ed	620	650	30	4.84%	10	10	20	Bachelor's degree	\$18,546	\$7.85 - 10.15
25-2012	Kindergarten Tchrs Ex Special Ed	200	200	0	0.00%	<5	<5	<5	Bachelor's degree	\$38,984	
25-2021	Elemen Schl Tchrs Ex Special Ed	1,500	1,510	10	0.67%	<5	30	30	Bachelor's degree	\$42,843	
25-2022	Middle School Tchrs/Ex Sp./Voc Ed	880	870	-10	-1.14%	<5	20	20	Bachelor's degree	\$46,347	
25-2023	Vocational Ed Tchrs/Middle School	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$46,506	
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	1,220	1,230	10	0.82%	<5	30	30	Bachelor's degree	\$40,536	
25-2032	Voc Ed Teachers/Secondary Schl	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$44,896	
25-2041	Sp Ed Tchrs/Presch/Kind/Elem Schl	200	210	10	5.00%	<5	10	10	Bachelor's degree	\$46,030	
25-2042	Special Ed Teachers/Middle School	100	100	0	0.00%	<5	<5	<5	Bachelor's degree	\$42,184	
25-2043	Special Ed Teachers/Sec Schl	120	130	10	8.33%	<5	<5	<5	Bachelor's degree	\$43,766	
25-3011	Adult Liter/Rem Ed/GED Tchrs/Inst	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$40,763	\$15.52 - 22.88
25-3021	Self-Enrichment Ed Teachers	260	270	10	3.85%	10	<5	10	Work experience in a related occupation	\$31,236	\$10.14 - 19.43
25-3999 ⁽⁷⁾	Tchrs/Prim/Sec/Adult/All Other	490	510	20	4.08%	10	10	20	Bachelor's degree	\$27,123	
25-4010	Archivists/Curators/Museum Techs	*	*	*	*	<5	<5	<5	Master's degree	*	*
25-4021	Librarians	210	200	-10	-4.76%	<5	<5	<5	Master's degree	\$38,066	\$12.03 - 25.09
25-4031	Library Techs	160	160	0	0.00%	<5	10	10	Short-term on-the-job training	\$23,353	\$8.44 - 13.94
25-9011	Audio-Visual Collections Specialists	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
25-9021	Farm/Home Management Advisors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
25-9031	Instructional Coordinators	80	80	0	0.00%	<5	<5	<5	Master's degree	\$58,127	\$21.13 - 35.45
25-9041	Teacher Assts	1,370	1,390	20	1.46%	10	20	30	Associate degree	\$21,354	
25-9199 ⁽⁷⁾	Libr/Mus/Trng/Other Ed Wrkrs/AO	140	150	10	7.14%	<5	<5	<5	Bachelor's degree	\$30,078	\$6.95 - 19.87
27-0000	Arts/Design/Entertainment/Sports/Media	2,320	2,360	40	1.72%	20	40	60		\$27,494	\$7.85 - 16.13
27-1011	Art Directors	20	20	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$49,126	\$17.52 - 29.63
27-1013	Fine Artists/Incl Pntrs/Sculptrs/Ilstrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-1014	Multi-Media Artists/Animators	20	30	10	50.00%	<5	<5	<5	Bachelor's degree	\$39,041	\$12.56 - 24.99
27-1021	Commercial/Industrial Designers	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$34,708	\$11.88 - 16.28

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		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
27-1022	Fashion Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
27-1023	Floral Designers	120	130	10	8.33%	<5	<5	<5	Moderate-term on-the-job training	\$19,079	\$7.83 - 10.3
27-1024	Graphic Designers	220	230	10	4.55%	<5	<5	<5	Bachelor's degree	\$34,628	\$12.51 - 20.07
27-1025	Interior Designers	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$26,480	\$10.31 - 14.12
27-1026	Merch Display/Window Trimmers	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,301	\$9.08 - 16.49
27-1027	Set/Exhibit Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
27-1099 ⁽⁷⁾	Art/Design Wrkrs/All Other	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$21,847	\$9.28 - 12.57
27-2011	Actors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-2012	Producers/Directors	50	50	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$36,490	
27-2021	Athletes/Sports Competitors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-2022	Coaches/Scouts	230	230	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$17,552	
27-2023	Umpires/Refs/Other Sports Officials	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-2031	Dancers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-2032	Choreographers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
27-2041	Music Directors/Composers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
27-2042	Musicians/Singers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-2099	Entnrns/Perfrmrns/Sports/Rel Wrk/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-3010	Announcers	130	120	-10	-7.69%	<5	<5	<5	Long-term on-the-job training	\$23,104	\$7.15 - 13.48
27-3020	News Analysts/Reprtrs/Correspond	80	80	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$27,885	\$7.79 - 13.45
27-3031	Public Relations Specialists	280	290	10	3.57%	10	<5	10	Bachelor's degree	\$38,036	\$14.08 - 22.22
27-3041	Editors	110	110	0	0.00%	<5	<5	<5	Bachelor's degree	\$29,776	\$11.67 - 16.48
27-3042	Technical Writers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
27-3043	Writers/Authors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
27-3091	Interpreters/Translators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-3099	Media/Communication Wrkrs/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-4011	Audio/Video Equipment Techs	30	40	10	33.33%	<5	<5	<5	Long-term on-the-job training	\$25,164	\$7.58 - 11.84
27-4012	Broadcast Techs	40	40	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$27,176	\$7.71 - 19.16
27-4014	Sound Engineering Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
27-4021	Photographers	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$22,085	\$8.34 - 12.17
27-4031	Camera Oprs/TV/Video/Motion Pict	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$15,544	\$6.09 - 7.4
27-4032	Film/Video Editors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
27-4099	Media/Comm Equipmnt Wrkrs/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
29-0000	Healthcare Practitioners & Technical Occs	10,840	11,290	450	4.15%	220	180	400		\$52,681	\$14.82 - 26.41
29-1011	Chiropractors	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-1020	Dentists	200	210	10	5.00%	<5	<5	<5	First professional degree	\$87,206	\$16.27 - 50.51
29-1031	Dietitians/Nutritionists	90	90	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,099	\$18.44 - 22.85
29-1041	Optometrists	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-1051	Pharmacists	260	270	10	3.85%	10	10	20	First professional degree	\$79,041	\$35.89 - 43.26
29-1061	Anesthesiologists	30	30	0	0.00%	<5	<5	<5	First professional degree	\$193,411	

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29-1062	Family and General Practitioners	200	210	10	5.00%	10	<5	10	First professional degree	\$154,160	\$59.51 -
29-1063	Internists, General	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-1064	Obstetricians and Gynecologists	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-1065	Pediatricians, General	20	20	0	0.00%	<5	<5	<5	First professional degree	\$158,249	\$36.25 -
29-1066	Psychiatrists	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-1067	Surgeons	60	70	10	16.67%	<5	<5	<5	First professional degree	\$191,700	
29-1069	Physicians and Surgeons, All Other	140	140	0	0.00%	<5	<5	<5	First professional degree	\$205,492	
29-1071	Physician Assts	110	120	10	9.09%	<5	<5	<5	Bachelor's degree	\$66,886	\$24.37 - 40.29
29-1081	Podiatrists	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-1111	Registered Nurses	3,960	4,130	170	4.29%	80	70	150	Bachelor's degree ⁽⁹⁾	\$50,573	\$19.75 - 26.84
29-1121	Audiologists	*	*	*	*	<5	<5	<5	Master's degree	*	*
29-1122	Occupational Therapists	220	230	10	4.55%	10	<5	10	Bachelor's degree	\$50,352	\$20.96 - 26.83
29-1123	Physical Therapists	250	270	20	8.00%	10	<5	10	Master's degree	\$59,824	\$23.96 - 33
29-1124	Radiation Therapists	30	40	10	33.33%	<5	<5	<5	Associate degree	\$40,419	\$15.82 - 22.71
29-1125	Recreational Therapists	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$34,523	\$13.26 - 20.05
29-1126	Respiratory Therapists	130	130	0	0.00%	<5	<5	<5	Associate degree	\$40,621	\$16.63 - 21.81
29-1127	Speech-Language Pathologists	160	170	10	6.25%	<5	<5	<5	Master's degree	\$51,137	\$20.2 - 29.72
29-1131	Veterinarians	70	70	0	0.00%	<5	<5	<5	First professional degree	\$61,546	\$21.41 - 31.8
29-1199	Hlth Diagnsng/Treatng Practtnrs/AO	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-2011	Medical/Clinical Lab Technologists	240	250	10	4.17%	<5	10	10	Bachelor's degree	\$43,774	\$17.49 - 22.74
29-2012	Medical/Clinical Lab Techs	160	160	0	0.00%	<5	<5	<5	Associate degree	\$32,176	\$12.72 - 17.72
29-2021	Dental Hygienists	290	310	20	6.90%	10	<5	10	Associate degree	\$48,714	\$21.35 - 26.33
29-2031	Cardiovascular Technlgst/Techncn	*	*	*	*	<5	<5	<5	Associate degree	*	*
29-2032	Diagnostic Medical Sonographers	70	70	0	0.00%	<5	<5	<5	Associate degree	\$51,885	\$21.25 - 29.47
29-2033	Nuclear Medicine Technologists	30	30	0	0.00%	<5	<5	<5	Associate degree	\$48,930	\$20.9 - 26.2
29-2034	Radiologic Technologists/Techs	310	330	20	6.45%	10	10	20	Associate degree	\$37,943	\$15.14 - 21.08
29-2041	Emergency Med Techs/Paramedics	370	380	10	2.70%	10	<5	10	Postsecondary vocational training	\$25,986	\$9.43 - 13.72
29-2051	Dietetic Techs	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,270	\$9.74 - 15.91
29-2052	Pharmacy Techs	260	270	10	3.85%	10	<5	10	Moderate-term on-the-job training	\$22,255	\$8.99 - 12.44
29-2053	Psychiatric Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
29-2054	Respiratory Therapy Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
29-2055	Surgical Technologists	200	210	10	5.00%	10	<5	10	Postsecondary vocational training	\$32,408	\$13.4 - 17.57
29-2056	Veterinary Technologists/Techs	60	70	10	16.67%	<5	<5	<5	Associate degree	\$22,856	\$9.8 - 12.78
29-2061	Licensed Pract/Vocational Nurses	1,310	1,350	40	3.05%	20	30	50	Postsecondary vocational training	\$31,388	\$13.41 - 16.82
29-2071	Medical Records/Health Info Techs	540	580	40	7.41%	20	10	30	Associate degree	\$24,187	\$9.6 - 13.55
29-2081	Opticians/Dispensing	120	130	10	8.33%	<5	<5	<5	Long-term on-the-job training	\$24,527	\$9.98 - 13.4
29-2091	Orthotists/Prosthetists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
29-9010	Occ Health/Safety Spec/Techs	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$42,264	\$16.58 - 24.74
29-9091	Athletic Trainers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*

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29-9199 ⁽⁷⁾	Health Prof/Techs, All Other (OES Only)	*	*	*	*	<5	<5	<5	Associate degree	*	*
31-0000	Healthcare Support Occupations	7,100	7,410	310	4.37%	160	100	260		\$21,313	\$8.62 - 11.42
31-1011	Home Health Aides	660	710	50	7.58%	20	10	30	Short-term on-the-job training	\$18,659	\$7.98 - 10.04
31-1012	Nursing Aides/Orderlies/Attendants	3,500	3,610	110	3.14%	60	40	100	Short-term on-the-job training	\$20,366	\$8.56 - 11
31-1013	Psychiatric Aides	350	370	20	5.71%	10	<5	10	Short-term on-the-job training	\$21,157	\$7.89 - 12.61
31-2011	Occupational Therapist Assts	50	60	10	20.00%	<5	<5	<5	Associate degree	\$33,936	\$14.98 - 17.77
31-2012	Occupational Therapist Aides	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$23,898	\$9.67 - 13.35
31-2021	Physical Therapist Assts	100	110	10	10.00%	<5	<5	<5	Associate degree	\$31,399	\$12.42 - 17.74
31-2022	Physical Therapist Aides	70	70	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$21,945	\$9.32 - 11.91
31-9011	Massage Therapists	60	60	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$32,336	\$14.35 - 17.01
31-9091	Dental Assts	460	490	30	6.52%	20	10	30	Moderate-term on-the-job training	\$26,465	\$10.29 - 13.36
31-9092	Medical Assts	650	700	50	7.69%	20	10	30	Moderate-term on-the-job training	\$24,333	\$9.99 - 13.26
31-9093	Medical Equipment Preparers	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$23,358	\$9.56 - 12.48
31-9094	Medical Transcriptionists	270	280	10	3.70%	<5	10	10	Postsecondary vocational training	\$27,175	\$11.58 - 14.51
31-9095	Pharmacy Aides	100	100	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$20,806	\$8.55 - 11.61
31-9096	Vet Assts/Lab Animal Caretakers	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$16,520	\$7.25 - 8.81
31-9099	Healthcare Support Wrksr/All Other	730	760	30	4.11%	20	10	30	Short-term on-the-job training	\$20,360	\$8.4 - 10.99
33-0000	Protective Service Occupations	3,110	3,160	50	1.61%	20	100	120		\$31,105	\$9.87 - 19.45
33-1011	First-Line Sup/Mgr of Corr Offcrs	30	30	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$50,980	\$20.52 - 28.13
33-1012	First-Line Sup/Mgr of Police/Detect	100	100	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$51,212	\$21.96 - 30.01
33-1021	F-L Sup/Mgr Fire Fght/Prevent Wrk	80	80	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$49,665	\$20.02 - 29.89
33-1099	F-L Sups/Mgrs/Protect Svc Wrk/AO	30	30	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$49,220	\$19.53 - 26.89
33-2011	Fire Fighters	530	540	10	1.89%	<5	10	10	Long-term on-the-job training	\$26,878	\$9.96 - 15.47
33-2020 ⁽⁸⁾	Fire Inspectors	20	20	0	0.00%	<5	<5	<5		*	*
33-2021 ⁽⁸⁾	Fire Inspectors and Investigators	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Work experience in a related occupation	*	*
33-2022 ⁽⁸⁾	Forest Fire Inspectors & Prev. Specialists	(8)	(8)	(8)	(8)	(8)	(8)	(8)		*	*
33-3011	Bailiffs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
33-3012	Correctional Officers/Jailers	360	360	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$34,572	\$14.2 - 18.84
33-3021	Detectives/Criminal Investigators	120	120	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$44,512	\$18.59 - 23.96
33-3031	Fish/Game Wardens	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
33-3041	Parking Enforcement Wrksr	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$20,390	\$6.93 - 13.08
33-3051	Police/Sheriff's Patrol Officers	860	870	10	1.16%	10	20	30	Long-term on-the-job training	\$36,805	\$15.29 - 21.12
33-9011	Animal Control Wrksr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
33-9021	Private Detectives/Investigators	30	30	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$24,545	\$10.1 - 13.33
33-9031	Gaming Surv. Officers & Investigators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
33-9032	Security Guards	490	490	0	0.00%	<5	10	10	Short-term on-the-job training	\$23,820	\$8.25 - 13.49
33-9091	Crossing Guards	130	130	0	0.00%	<5	10	10	Short-term on-the-job training	\$20,535	\$8.26 - 10.56
33-9099	Protective Service Wrksr/All Other	270	270	0	0.00%	<5	30	30	Short-term on-the-job training	\$18,074	\$6.54 - 10.54
35-0000	Food Preparation & Serving Occupations	16,340	16,760	420	2.57%	210	790	1,000		\$16,069	\$6.26 - 8.74

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SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
35-1011	Chefs/Head Cooks	240	240	0	0.00%	<5	10	10	Postsecondary vocational training	\$25,861	\$9.41 - 13.18
35-1012	F-L Sups/Mgrs Food Prep/Srv Wrks	910	930	20	2.20%	10	20	30	Work experience in a related occupation	\$23,949	\$9.01 - 13.31
35-2011	Cooks/Fast Food	820	830	10	1.22%	<5	30	30	Short-term on-the-job training	\$15,949	\$6.65 - 8.42
35-2012	Cooks/Institution/Cafeteria	610	600	-10	-1.64%	<5	30	30	Long-term on-the-job training	\$19,752	\$8.22 - 10.68
35-2013	Cooks/Private Household	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
35-2014	Cooks/Restaurant	880	910	30	3.41%	10	40	50	Long-term on-the-job training	\$16,977	\$7.25 - 9.06
35-2015	Cooks/Short Order	510	520	10	1.96%	10	20	30	Short-term on-the-job training	\$14,846	\$6.02 - 8.14
35-2021	Food Prep Wrks	1,550	1,610	60	3.87%	30	70	100	Short-term on-the-job training	\$16,156	\$6.68 - 8.9
35-3011	Bartenders	1,610	1,630	20	1.24%	10	60	70	Short-term on-the-job training	\$15,745	\$6.32 - 8.83
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	3,130	3,260	130	4.15%	60	170	230	Short-term on-the-job training	\$15,002	\$6.16 - 8.12
35-3022	Cntr Atts/Cafeter/Fd Conc/Coff Shop	500	520	20	4.00%	10	50	60	Short-term on-the-job training	\$15,224	\$6.21 - 8.27
35-3031	Waiters/Waitresses	3,250	3,350	100	3.08%	50	190	240	Short-term on-the-job training	\$13,731	\$5.85 - 6.86
35-3041	Food Servers/Nonrestaurant	280	290	10	3.57%	<5	10	10	Short-term on-the-job training	\$18,385	\$7.79 - 9.69
35-9011	Dining Rm/Cafeter Atts/Bar Helpers	590	610	20	3.39%	10	30	40	Short-term on-the-job training	\$13,253	\$5.85 - 6.8
35-9021	Dishwashers	920	940	20	2.17%	10	40	50	Short-term on-the-job training	\$13,426	\$5.82 - 6.85
35-9031	Hosts Rest/Lounge/Coff Shop	360	370	10	2.78%	10	10	20	Short-term on-the-job training	\$15,496	\$6.21 - 8.44
35-9099	Food Prep/Serving Rel Wrks/AO	160	160	0	0.00%	<5	10	10	Short-term on-the-job training	\$19,603	\$8.09 - 10.5
37-0000	Build & Grounds Cleaning/Maint Occs	7,320	7,440	120	1.64%	60	150	210		\$20,173	\$7.76 - 10.98
37-1011	F-L Sups/Mgrs Hskpng/Janitr Wrks	280	290	10	3.57%	<5	10	10	Work experience in a related occupation	\$30,566	\$10.7 - 17.51
37-1012	F-L Sups/Mgrs Land/Lawn/Grounds Wrks	110	110	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$30,396	\$10.51 - 18.44
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	3,140	3,200	60	1.91%	30	60	90	Short-term on-the-job training	\$20,587	\$7.68 - 11.86
37-2012	Maids/Housekpng Cleaners	2,630	2,650	20	0.76%	10	50	60	Short-term on-the-job training	\$17,472	\$7.58 - 9.27
37-2021	Pest Control Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
37-3011	Landscaping/Grndskpng Wrks	1,030	1,060	30	2.91%	10	20	30	Short-term on-the-job training	\$20,907	\$7.96 - 11.66
37-3012	Pesticide Hndlr/Sprays/Apps Veg	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$19,381	\$8.69 - 10.23
37-3013	Tree Trimmers/Pruners	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
37-9099 ⁽⁷⁾	Bldg/Grnds Cleanng/Maint Wrks AO	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$21,379	\$7.69 - 11.04
39-0000	Personal Care and Service Occupations	4,300	4,400	100	2.33%	50	110	160		\$19,087	\$6.73 - 10.35
39-1011	Gaming Supervisors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
39-1012	Slot Key Persons	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
39-1021	F-L Sups/Mgrs of Persnl Serv Wrks	140	140	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$27,667	\$10.59 - 14.73
39-2011	Animal Trainers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
39-2021	Nonfarm Animal Caretakers	110	110	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$18,600	\$7.27 - 9.78
39-3011	Gaming Dealers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
39-3012	Gaming/Sports Book Writers & Runners	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
39-3021	Motion Picture Projectionists	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$18,254	\$7.75 - 10.04
39-3031	Ushers/Lobby Attend/Ticket Takers	80	90	10	12.50%	<5	10	10	Short-term on-the-job training	\$14,706	\$6.15 - 8.09
39-3091	Amusement/Recreation Attendants	380	390	10	2.63%	<5	10	10	Short-term on-the-job training	\$15,690	\$5.87 - 7.94
39-3092	Costume Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*

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		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
39-3093	Lockr Rm/Coatrm/Dress Rm Attend	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
39-3199 ⁽⁷⁾	Gaming Wrkrs/All Other	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$19,694	\$7.77 - 10.41
39-4011	Embalmers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
39-4021	Funeral Attendants	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$18,208	\$6.56 - 10.54
39-5011	Barbers	10	10	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$26,674	\$11.09 - 16.13
39-5012	Hairdress/Hairstyl/Cosmetologists	600	610	10	1.67%	<5	10	10	Postsecondary vocational training	\$19,325	\$6.44 - 10.79
39-5092	Manicurists/Pedicurists	20	20	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$16,355	\$7.12 - 8.37
39-5093	Shampooers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
39-5094	Skin Care Specialists	20	20	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$19,627	\$6.99 - 11.81
39-6011	Baggage Porters/Bellhops	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
39-6012	Concierges	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
39-6021	Tour Guides/Escorts	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
39-6022	Travel Guides	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
39-6031	Flight Attendants	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
39-6032	Trans Atts/Ex Flight Atts/Bag Porters	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
39-9011	Child Care Workers	730	750	20	2.74%	10	20	30	Short-term on-the-job training	\$14,619	\$5.97 - 8.03
39-9021	Personal/Home Care Aides	800	840	40	5.00%	20	10	30	Short-term on-the-job training	\$18,238	\$7.75 - 9.93
39-9031	Fitness Trainers/Aerobics Instruct	270	280	10	3.70%	10	10	20	Postsecondary vocational training	\$19,050	\$7.03 - 10.77
39-9032	Recreation Wrkrs	520	530	10	1.92%	<5	10	10	Bachelor's degree	\$17,547	\$6.75 - 9.65
39-9041	Residential Advisors	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$16,967	\$6.24 - 9.51
39-9099	Personal Care/Service Wrkrs/AO	90	100	10	11.11%	<5	<5	<5	Short-term on-the-job training	\$17,413	\$7.39 - 8.71
41-0000	Sales and Related Occupations	18,430	18,880	450	2.44%	230	740	970		\$27,060	\$7.25 - 15.28
41-1011	F-L Sups/Mgrs of Rtl Sls Wrkrs	1,590	1,640	50	3.14%	20	30	50	Work experience in a related occupation	\$34,407	\$11.69 - 19.35
41-1012	F-L Sups/Mgrs of nonRtl Sls Wrkrs	300	310	10	3.33%	10	10	20	Work experience in a related occupation	\$64,110	\$17.78 - 36.87
41-2011	Cashiers	5,060	5,160	100	1.98%	50	330	380	Short-term on-the-job training	\$16,319	\$6.45 - 8.59
41-2012	Gaming Change/Booth Cashiers	*	*	*	*	<5	10	10	Short-term on-the-job training	*	*
41-2021	Counter/Rental Clerks	450	470	20	4.44%	10	20	30	Short-term on-the-job training	\$21,048	\$7.12 - 12.33
41-2022	Parts Salespersons	420	420	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$25,715	\$9.62 - 14.37
41-2031	Retail Salespersons	5,980	6,120	140	2.34%	70	240	310	Short-term on-the-job training	\$21,030	\$6.8 - 10.98
41-3011	Advertising Sales Agents	180	180	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$37,388	\$11.44 - 22.73
41-3021	Insurance Sales Agents	510	530	20	3.92%	10	10	20	Bachelor's degree	\$40,588	\$11.47 - 24.28
41-3031	Sec/Comm/Fin Serv Sales Agents	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$63,047	\$15.22 - 41.44
41-3041	Travel Agents	80	70	-10	-12.50%	<5	<5	<5	Postsecondary vocational training	\$23,678	\$9.69 - 12.85
41-4011	Sls Reps/Whls/Mfg/Tech/Sci Prods	320	330	10	3.13%	10	10	20	Moderate-term on-the-job training	\$60,410	\$18.6 - 35.56
41-4012	Sls Reps/Whls/Mfg/Ex Tech/Sci Prod	2,190	2,270	80	3.65%	40	60	100	Moderate-term on-the-job training	\$45,363	\$13.68 - 27.37
41-9011	Demonstrators/Product Promoters	120	130	10	8.33%	<5	<5	<5	Moderate-term on-the-job training	\$20,574	\$7.99 - 10.44
41-9021	Real Estate Brokers	70	70	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$50,678	\$12.63 - 38.65
41-9022	Real Estate Sales Agents	80	80	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$33,453	\$6.94 - 22.78
41-9031	Sales Engineers	70	80	10	14.29%	<5	<5	<5	Bachelor's degree	\$71,433	\$13.71 - 40

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41-9041	Telemarketers	*	*	*	*	<5	10	10	Short-term on-the-job training	*	*
41-9091	Door Sales/News/St Vndrs/Rel Wkrs	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$38,634	\$17.95 - 21.07
41-9099	Sales/Related Wkrs/All Other	430	450	20	4.65%	10	10	20	Moderate-term on-the-job training	\$32,151	\$9.19 - 17.67
43-0000	Office/Administrative Support Ocs	33,900	34,040	140	0.41%	70	810	880		\$24,993	\$8.84 - 14.05
43-1011	F-L Sups/Mgrs-Ofc/Admin Sup Wkrs	2,060	2,070	10	0.49%	10	40	50	Work experience in a related occupation	\$41,337	\$13.92 - 24.8
43-2011	Switchboard Oprs/Incl Answrng Srvc	310	310	0	0.00%	<5	10	10	Short-term on-the-job training	\$21,977	\$9.08 - 11.8
43-2021	Telephone Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-2099	Communications Eqpment Oprs/AO	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-3011	Bill/Account Collectors	320	330	10	3.13%	10	10	20	Short-term on-the-job training	\$25,170	\$9.9 - 13.73
43-3021	Billing/Posting Clerks/Machn Oprs	740	750	10	1.35%	<5	10	10	Moderate-term on-the-job training	\$26,927	\$10.51 - 14.2
43-3031	Bookkeep/Account/Auditing Clerks	2,750	2,750	0	0.00%	<5	50	50	Moderate-term on-the-job training	\$25,378	\$9.62 - 14.37
43-3041	Gaming Cage Wkrs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-3051	Payroll/Timekeeping Clerks	310	310	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$27,304	\$11.06 - 15.4
43-3061	Procurement Clerks	110	110	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$27,508	\$10.86 - 15.38
43-3071	Tellers	880	910	30	3.41%	20	50	70	Short-term on-the-job training	\$19,694	\$8.16 - 10.51
43-4011	Brokerage Clerks	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$36,031	\$11.52 - 23.18
43-4021	Correspondence Clerks	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$25,482	\$10.41 - 13.93
43-4031	Court/Municipal/License Clerks	180	180	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$29,090	\$11.19 - 16.09
43-4041	Credit Authorizers/Checkers/Clerks	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$24,795	\$8.25 - 15.11
43-4051	Customer Service Reps	2,870	2,970	100	3.48%	50	40	90	Moderate-term on-the-job training	\$24,652	\$9.03 - 13.79
43-4061	Eligibility Interviewers/Gov't Progrms	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
43-4071	File Clerks	390	390	0	0.00%	<5	10	10	Short-term on-the-job training	\$19,981	\$8.17 - 10.77
43-4081	Hotel/Motel/Resort Desk Clerks	400	410	10	2.50%	<5	20	20	Short-term on-the-job training	\$16,732	\$7.42 - 8.65
43-4111	Interviewers/Ex Eligibility/Loan	230	240	10	4.35%	<5	10	10	Short-term on-the-job training	\$24,465	\$10.15 - 13.28
43-4121	Library Assts/Clerical	220	220	0	0.00%	<5	10	10	Short-term on-the-job training	\$21,795	\$8.64 - 12.47
43-4131	Loan Interviewers/Clerks	200	190	-10	-5.00%	<5	<5	<5	Short-term on-the-job training	\$23,155	\$9.53 - 12.71
43-4141	New Accounts Clerks	150	150	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$23,631	\$10.01 - 12.71
43-4151	Order Clerks	1,550	1,530	-20	-1.29%	<5	40	40	Short-term on-the-job training	\$19,016	\$7.29 - 10.34
43-4161	Human Res Assts/Ex Pay/Tmkpng	250	260	10	4.00%	<5	10	10	Short-term on-the-job training	\$29,614	\$11.46 - 16.61
43-4171	Receptionists/Info Clerks	1,640	1,700	60	3.66%	30	40	70	Short-term on-the-job training	\$20,455	\$8.32 - 11.15
43-4181	Res/Trans Ticket Agnts/Travl Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-4999 ⁽⁷⁾	Fin/Info/Record Clerks/All Other	280	280	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$24,131	\$8.81 - 13.4
43-5011	Cargo/Freight Agents	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$34,706	\$10.57 - 21.95
43-5021	Couriers/Messengers	130	130	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$19,457	\$7.94 - 10.63
43-5031	Police/Fire/Ambulance Dispatchers	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$29,042	\$12.12 - 16.02
43-5032	Disp/Ex Police/Fire/Ambulance	300	300	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$31,511	\$12.15 - 17.16
43-5041	Meter Readers/Utilities	70	70	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$36,026	\$14.77 - 21.36
43-5051	Postal Service Clerks	90	90	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$39,279	\$18.01 - 20.34
43-5052	Postal Service Mail Carriers	490	480	-10	-2.04%	<5	10	10	Short-term on-the-job training	\$38,581	\$16 - 20.94

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SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
43-5053	PS Mail Sort/Proc/Proc Machn Oprs	320	310	-10	-3.13%	<5	10	10	Short-term on-the-job training	\$36,256	\$17.03 - 20.01
43-5061	Production/Plan/Expediting Clerks	520	530	10	1.92%	10	10	20	Short-term on-the-job training	\$33,121	\$11.79 - 19.22
43-5071	Shipping/Receiving/Traffic Clerks	1,570	1,560	-10	-0.64%	<5	30	30	Short-term on-the-job training	\$24,102	\$9.1 - 13.62
43-5081	Stock Clerks/Order Fillers	2,510	2,480	-30	-1.20%	<5	130	130	Short-term on-the-job training	\$19,310	\$7.12 - 10.92
43-5111	Weigh/Meas/Check/Sample/Rcrdkp	160	160	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$25,710	\$10.04 - 13.69
43-5199 ⁽⁷⁾	Matrl Rec/Sched/Disp/Dist Wrks/AO	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$17,116	\$6.51 - 9.71
43-6011	Executive Secretaries/Admin Assts	1,980	1,990	10	0.51%	<5	40	40	Moderate-term on-the-job training	\$29,179	\$11.13 - 16.21
43-6012	Legal Secretaries	210	210	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$30,803	\$12.29 - 16.72
43-6013	Medical Secretaries	410	420	10	2.44%	10	10	20	Postsecondary vocational training	\$23,168	\$9.61 - 12.59
43-6014	Secretaries/Ex Legal/Medical/Exec	2,720	2,660	-60	-2.21%	<5	50	50	Moderate-term on-the-job training	\$23,008	\$9.06 - 12.99
43-9011	Computer Oprs	210	200	-10	-4.76%	<5	10	10	Moderate-term on-the-job training	\$29,986	\$11.09 - 18.37
43-9021	Data Entry Keyers	390	380	-10	-2.56%	<5	10	10	Moderate-term on-the-job training	\$21,985	\$8.79 - 12.03
43-9022	Word Processors/Typists	280	250	-30	-10.71%	<5	10	10	Moderate-term on-the-job training	\$25,847	\$10.07 - 13.8
43-9031	Desktop Publishers	50	50	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$29,760	\$11.78 - 16.8
43-9041	Ins Claims/Policy Processng Clerks	850	870	20	2.35%	10	10	20	Moderate-term on-the-job training	\$24,275	\$9.5 - 13.45
43-9051	Mail Clerks/Mail Machn Oprs/Ex P S	220	210	-10	-4.55%	<5	10	10	Short-term on-the-job training	\$19,032	\$7.29 - 10.82
43-9061	Office Clerks/General	3,530	3,540	10	0.28%	10	80	90	Short-term on-the-job training	\$22,283	\$8.23 - 13
43-9071	Office Machn Oprs/Ex Computer	90	90	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$19,134	\$7.38 - 10.75
43-9081	Proofreaders/Copy Markers	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$17,904	\$7.82 - 8.87
43-9111	Statistical Assts	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
43-9999 ⁽⁷⁾	Sec/Admn Asst/Othr Offc Sup Wrks/AO	450	440	-10	-2.22%	<5	10	10	Short-term on-the-job training	\$23,452	\$8.71 - 13.52
45-0000	Farming/Fishing/Forestry Occs	340	340	0	0.00%	<5	10	10		\$28,007	\$9.74 - 16.84
45-1011	F-L Sups/Mgrs Farm/Fish/Forest Wrks	30	30	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$45,553	\$19.7 - 22.98
45-1012	Farm Labor Contractors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
45-2011	Ag Inspectors	10	10	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$29,764	\$12.57 - 16.16
45-2021	Animal Breeders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
45-2041	Graders/Sorters/Ag Prod	50	50	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$18,815	\$7.32 - 10.74
45-2091	Ag Equipment Oprs	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,340	\$11.31 - 17.08
45-2092	Farm/Labrrs/Crop/Nursry/Greenhs	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$22,737	\$9.24 - 11.67
45-2093	Farmwrks/Farm/Ranch Animals	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
45-4011	Forest/Conservation Wrks	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,575	\$11.97 - 17.45
45-4021	Fallers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
45-4022	Logging Equipment Oprs	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,181	\$11.81 - 16.03
45-4023	Log Graders/Scalers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
45-9099 ⁽⁷⁾	Farming/Fishing/Forestry Wrks/AO	70	70	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$25,641	\$9.52 - 15.93
47-0000	Construction and Extraction Occupations	8,500	8,790	290	3.41%	150	160	310		\$34,931	\$12.09 - 21.34
47-1011	F-L Sup/Mgr Const Trades/Extr Wrks	580	600	20	3.45%	10	10	20	Work experience in a related occupation	\$54,645	\$19.99 - 28.38
47-2011	Boilermakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2021	Brickmasons/Blockmasons	190	200	10	5.26%	<5	<5	<5	Long-term on-the-job training	\$45,654	\$14.45 - 28.36

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		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
47-2022	Stonemasons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2031	Carpenters	2,010	2,110	100	4.98%	50	30	80	Long-term on-the-job training	\$29,721	\$11.6 - 16.76
47-2041	Carpet Installers	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,790	\$8.79 - 13.95
47-2042	Floor Lays/Ex Carpet/Wood/Tiles	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-2043	Floor Sanders/Finishers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-2044	Tile/Marble Settrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2051	Cement Masons and Concrete Finishers	270	280	10	3.70%	<5	10	10	Moderate-term on-the-job training	\$40,827	\$15.48 - 23.55
47-2053	Terrazzo Workers and Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2061	Construction Laborers	860	890	30	3.49%	10	10	20	Moderate-term on-the-job training	\$30,323	\$11.39 - 17.96
47-2071	Pavng/Surfacng/Tampng Equip Oprs	90	90	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$29,022	\$10 - 16.47
47-2072	Pile-Driver Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-2073	Opng Engrns/Other Con Eqp Oprs	470	480	10	2.13%	10	10	20	Moderate-term on-the-job training	\$41,579	\$15.15 - 24.76
47-2081	Drywall/Ceiling Tile Installers	70	70	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$36,166	\$12.66 - 21.58
47-2082	Tapers	20	30	10	50.00%	<5	<5	<5	Moderate-term on-the-job training	\$34,564	\$13.53 - 20.03
47-2111	Electricians	960	1,000	40	4.17%	20	20	40	Long-term on-the-job training	\$41,750	\$16.04 - 24.73
47-2121	Glaziers	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$25,230	\$8.48 - 13.76
47-2130	Insulation Wrkrs	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$25,581	\$10.76 - 13.65
47-2141	Painters/Const/Maint	210	220	10	4.76%	<5	<5	<5	Moderate-term on-the-job training	\$26,285	\$9.43 - 15.64
47-2142	Paperhangers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-2151	Pipelayers	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$46,846	\$19.39 - 26.32
47-2152	Plumbers/Pipefitters/Steamfitters	680	710	30	4.41%	10	20	30	Long-term on-the-job training	\$34,395	\$10.93 - 21.49
47-2161	Plasterers/Stucco Masons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2171	Reinforcing Iron/Rebar Wrkrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2181	Roofers	160	170	10	6.25%	<5	<5	<5	Moderate-term on-the-job training	\$31,506	\$12.06 - 18.46
47-2211	Sheet Metal Wrkrs	410	430	20	4.88%	10	10	20	Moderate-term on-the-job training	\$40,294	\$12.89 - 25.52
47-2221	Structural Iron/Steel Wrkrs	70	80	10	14.29%	<5	<5	<5	Long-term on-the-job training	\$49,883	\$22.4 - 26.06
47-3011	Helprs-Brick/Block/Stone/Tile/Marble	70	70	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$30,674	\$11.72 - 18.78
47-3012	Helpers--Carpenters	110	120	10	9.09%	<5	10	10	Short-term on-the-job training	\$22,406	\$9.42 - 11.92
47-3013	Helpers--Electricians	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$18,855	\$7.48 - 9.8
47-3014	Helprs--Paint/Paper/Plaster/Stucco	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$25,589	\$11.78 - 13.33
47-3015	Helprs--Pipelay/Plumb/Pipe/Steam	80	80	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$18,074	\$7.56 - 8.66
47-3016	Helpers--Roofers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
47-3019	Helpers/Const Trades/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
47-4011	Const/Bldg Inspectors	60	60	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$37,463	\$13.07 - 22.85
47-4021	Elevator Installers/Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-4031	Fence Erectors	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-4041	Hazardous Materials Removal Wrkrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-4051	Highway Maint Wrkrs	380	380	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$34,743	\$14.43 - 17.07
47-4061	Rail-Track Layng/Maint Eqpmnt Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*

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47-4071	Septic Tnk Srvcs/Sewer Pipe Clnrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-4091	Segmental Pavers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-4999 ⁽⁷⁾	Const Trades/Rel Wrks/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-5013	Service Unit Oprs, Oil/Gas/Mining	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-5021	Earth Drillers/Ex Oil/Gas	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$35,460	\$13.61 - 20.33
47-5031	Explsv/Ordnc Handling Exprts/Blastrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-5040 ⁽⁸⁾	Mining Machine Oprs	0	0	0	#DIV/0!	<5	<5	<5		*	*
47-5041 ⁽⁸⁾	Continuous Mining Machine Operators	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Moderate-term on-the-job training	*	*
47-5042 ⁽⁸⁾	Mine Cutting/Channeling Machine Oprs	(8)	(8)	(8)	(8)	(8)	(8)	(8)		*	*
47-5051	Rock Splitters/Quarry	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-5081	Helpers--Extraction Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
47-5099	Extraction Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-0000	Installation/Maint/Repair Occupations	7,720	7,850	130	1.68%	70	170	240		\$34,375	\$12.17 - 20.06
49-1011	F-L Supvsrs/Mgrs of Mechs/Inst/Rep	630	640	10	1.59%	<5	20	20	Work experience in a related occupation	\$50,697	\$18.5 - 29.66
49-2011	Computer/ATM/Offc Machn Reprsr	120	120	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$37,494	\$15.06 - 21.48
49-2021	Radio Mechanics	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-2022	Telecm Eqp Inst/Reprsr/Ex Line Inst	140	140	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$46,664	\$19.59 - 26.14
49-2091	Avionics Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-2092	Elec Motor/Power Tool/Rel. Reprsr	70	70	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$37,578	\$15.56 - 20.99
49-2094	Elec Repairers/Comm/Ind Equip	60	60	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$31,896	\$10.46 - 19.41
49-2095	Elec Reprsr/Powerhse/Substn/Relay	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-2096	Elec Equip Instlrs/Reprsr/Motor Veh	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-2097	Elec Home Ent Eqpmnt Inst/Reprsr	20	20	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$26,873	\$10.7 - 15.55
49-2098	Security/Fire Alarm Systems Inst	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-2099 ⁽⁷⁾	Elec Equip Mechs/Instlrs/Reprsr/AO	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-3011	Aircraft Mechanics/Service Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-3021	Automotive Body/Related Repairers	300	300	0	0.00%	<5	10	10	Long-term on-the-job training	\$31,354	\$11.87 - 18.01
49-3022	Automotive Glass Installers/Reprsr	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
49-3023	Automotive Service Techs/Mechanics	1,140	1,150	10	0.88%	10	30	40	Postsecondary vocational training	\$30,910	\$11.47 - 17.2
49-3031	Bus/Truck Mechs/Diesel Engrn Spec	510	520	10	1.96%	10	10	20	Postsecondary vocational training	\$32,071	\$12.86 - 17.54
49-3041	Farm Equipment Mechanics	80	80	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$30,538	\$11.72 - 17.04
49-3042	Mobile Hvy Eqpmnt Mechs/Ex Engrs	140	140	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$33,858	\$12.69 - 19.47
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
49-3051	Motorboat Mechanics	50	50	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$24,441	\$9.01 - 13.82
49-3052	Motorcycle Mechanics	70	70	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$25,455	\$11.55 - 13.51
49-3053	Outdr Powr Eqp/Othr Sm Engrn Mchs	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$25,651	\$9.3 - 15.32
49-3091	Bicycle Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-3092	Recreational Vehicle Service Techs	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$24,790	\$10.29 - 13.72
49-3093	Tire Repairers/Changers	130	130	0	0.00%	<5	10	10	Short-term on-the-job training	\$21,143	\$8.92 - 11.64

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49-3099 ⁽⁷⁾	Veh/Mbl Eqp Mechs/Instl/Reprsr/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-9011	Mechanical Door Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-9012	Cntrl/Valve Inst/Rep/Ex Mechn Door	30	40	10	33.33%	<5	<5	<5	Moderate-term on-the-job training	\$44,041	\$18.72 - 23.31
49-9021	Heating/AC/Refrig Mechs/Instlrs	240	250	10	4.17%	10	<5	10	Long-term on-the-job training	\$30,577	\$11.19 - 17.39
49-9031	Home Appliance Repairers	50	50	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$32,887	\$12.69 - 17.28
49-9041	Industrial Machnry Mechanics	480	490	10	2.08%	10	10	20	Long-term on-the-job training	\$38,879	\$16.43 - 21.02
49-9042	Maint/Repair Wrks/General	1,960	2,000	40	2.04%	20	40	60	Long-term on-the-job training	\$30,692	\$10.93 - 18.18
49-9043	Maint Wrks/Machnry	190	190	0	0.00%	<5	10	10	Long-term on-the-job training	\$33,665	\$15.27 - 17.49
49-9044	Millwrights	290	290	0	0.00%	<5	10	10	Long-term on-the-job training	\$47,387	\$18.85 - 27.13
49-9045	Refractory Mtrls Reprs/Ex Brickmsns	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-9051	Elec Power-Line Installrs/Repairers	110	120	10	9.09%	<5	<5	<5	Long-term on-the-job training	\$43,699	\$19.64 - 22.36
49-9052	Telecomm Line Installers/Reprsr	130	140	10	7.69%	<5	<5	<5	Long-term on-the-job training	\$45,203	\$18.17 - 25.86
49-9062	Medical Equipment Repairers	20	30	10	50.00%	<5	<5	<5	Associate degree	\$37,631	\$15.76 - 20.88
49-9063	Musical Instr Repairers/Tuners	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$27,876	\$10.61 - 16.5
49-9064	Watch Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
49-9069	Precision Inst/Eqpmnt Repairers/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
49-9091	Coin/Vend/Amuse Machn Serv/Repr	70	70	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$24,842	\$7.29 - 15.9
49-9092	Commercial Divers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-9093	Fabric Menders/Ex Garment	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-9094	Locksmiths/Safe Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-9095	Manufactrd Bldg/Mobile Home Inst	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$32,992	\$12.84 - 17.27
49-9096	Riggers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
49-9098	Helpers--Install/Maint/Repair Wrks	200	210	10	5.00%	<5	10	10	Short-term on-the-job training	\$21,751	\$8.2 - 12.07
49-9099	Installation/Maint/Repair Wrks/AO	130	140	10	7.69%	<5	<5	<5	Moderate-term on-the-job training	\$27,356	\$9.8 - 16.5
51-0000	Production Occupations	24,360	24,790	430	1.77%	210	580	790		\$29,019	\$10.49 - 16.47
51-1011	F-L Sups/Mgrs of Prdn/Operat Wrks	1,500	1,550	50	3.33%	20	30	50	Work experience in a related occupation	\$47,154	\$15.68 - 25.41
51-2011	Aircraft Struct/Surf/Riggng/Sys Assembler	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-2021	Coil Winders/Tapers/Finishers	130	130	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$25,910	\$9.77 - 15.43
51-2022	Electrical/Electronic Equipmnt Assembler	200	200	0	0.00%	<5	10	10	Short-term on-the-job training	\$26,900	\$10.07 - 16
51-2023	Electromechanical Equipmnt Assembler	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-2031	Engine/Other Machn Assemblers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-2041	Structural Metal Fabricators/Fitters	260	280	20	7.69%	10	10	20	Moderate-term on-the-job training	\$29,407	\$12.56 - 15.86
51-2091	Fiberglass Laminators/Fabricators	*	*	*	*	10	10	20	Moderate-term on-the-job training	*	*
51-2092	Team Assemblers	2,900	2,930	30	1.03%	20	70	90	Moderate-term on-the-job training	\$25,518	\$10.23 - 13.99
51-2093	Timng Device Assemb/Adjustrs/Calibr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-2099	Assemblers/Fabricators/All Other	260	250	-10	-3.85%	<5	10	10	Moderate-term on-the-job training	\$23,013	\$9.13 - 13.01
51-3011	Bakers	280	290	10	3.57%	10	10	20	Long-term on-the-job training	\$20,333	\$8 - 10.94
51-3021	Butchers/Meat Cutters	230	230	0	0.00%	<5	10	10	Long-term on-the-job training	\$25,576	\$9.81 - 14.27
51-3022	Meat/Poultry/Fish Cutters/Trimmers	60	70	10	16.67%	<5	<5	<5	Short-term on-the-job training	\$23,389	\$9.38 - 13.11

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SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
51-3023	Slaughterers/Meat Packers	140	150	10	7.14%	<5	<5	<5	Moderate-term on-the-job training	\$22,960	\$9.77 - 12.13
51-3091	Food/Tobac Bake/Dry/Mchn Op/Tndrs	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$29,652	\$13.34 - 16.46
51-3092	Food Batchmakers	240	240	0	0.00%	<5	10	10	Short-term on-the-job training	\$27,591	\$10.61 - 15.72
51-3093	Food Cooking Machn Oprs/Tendrs	110	110	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$21,711	\$7.96 - 13.22
51-3099 ⁽⁷⁾	Food Processing Wrkrs/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-4011	Comp-Cntrld Mchn Tool Op/M/P	320	330	10	3.13%	10	10	20	Moderate-term on-the-job training	\$31,601	\$12.71 - 17.65
51-4012	Num Tool/Procss Cntrl Programmrs	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$42,435	\$16.34 - 25.01
51-4021	Extrud/Draw Mchn Set/Op/Tndrs/M/P	170	170	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$29,484	\$10.66 - 16.21
51-4022	Forge Machn Set/Op/Tndrs/M/P	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-4023	Roll Machn Set/Op/Tndrs/M/P	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,130	\$10.15 - 16.49
51-4031	Cut/Punch/Press Set/Op/Tndrs/M/P	730	750	20	2.74%	10	20	30	Moderate-term on-the-job training	\$27,746	\$11.54 - 15.53
51-4032	Drill/Bore Tool Set/Op/Tndrs/M/P	70	70	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$24,681	\$8.98 - 14.53
51-4033	Grind/Lap/Polish/Buf Set/Op/Tnd/M/P	190	190	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,799	\$9.11 - 16.9
51-4034	Lathe/Turn Tool Set/Op/Tndrs/M/P	110	120	10	9.09%	<5	<5	<5	Moderate-term on-the-job training	\$34,349	\$13.05 - 20.26
51-4035	Mill/Plane Mchn Set/Op/Tndrs/M/P	30	40	10	33.33%	<5	<5	<5	Moderate-term on-the-job training	\$25,269	\$9.64 - 13.67
51-4041	Machinists	800	840	40	5.00%	20	20	40	Long-term on-the-job training	\$30,058	\$12.04 - 16.58
51-4051	Metal-Refining Furnace Ops/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-4052	Pourers/Casters/Metal	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-4061	Model Makers/Metal/Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-4062	Patternmakers/Metal/Plastic	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$38,784	\$15.76 - 21.88
51-4071	Foundry Mold/Coremakers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-4072	Mold/Core/Cast Set/Op/Tndrs/M/P	160	160	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,345	\$11.3 - 17.52
51-4081	Mult Mchn Tool Set/Op/Tndrs/M/P	*	*	*	*	10	10	20	Moderate-term on-the-job training	*	*
51-4111	Tool/Die Makers	190	190	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$34,379	\$14.81 - 17.88
51-4121	Welders/Cutters/Solderers/Brazers	790	830	40	5.06%	20	20	40	Postsecondary vocational training	\$30,930	\$13.05 - 17.21
51-4122	Weld/Solder/Braze Mchn Set/Op/Tnd	150	150	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,779	\$11.3 - 15.76
51-4191	Heat Treat Eqp Set/Op/Tndrs/M/P	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,388	\$11.25 - 17.57
51-4192	Lay-Out Wrkrs/Metal/Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-4193	Plate/Coat Mchn Set/Op/Tndrs/M/P	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$25,713	\$11.66 - 13.38
51-4194	Tool Grinders/Filers/Sharpeners	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,538	\$10.36 - 15.22
51-4199	Metal Wrkrs/Plastic Wrkrs/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-5011	Bindery Wrkrs	320	310	-10	-3.13%	<5	10	10	Moderate-term on-the-job training	\$28,103	\$9.9 - 16.59
51-5012	Bookbinders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-5021	Job Printers	70	70	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$36,553	\$14.65 - 20.25
51-5022	Prepress Techs/Wrkrs	160	150	-10	-6.25%	<5	<5	<5	Long-term on-the-job training	\$35,090	\$14.57 - 20.14
51-5023	Printing Machn Oprs	450	460	10	2.22%	<5	10	10	Moderate-term on-the-job training	\$33,136	\$12.74 - 19.94
51-5099 ⁽⁷⁾	Printing Wrkrs/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-6011	Laundry/Dry-Cleaning Wrkrs	260	250	-10	-3.85%	<5	10	10	Moderate-term on-the-job training	\$17,175	\$6.75 - 9.65
51-6021	Pressers/Textile/Garment/Rel Mtrls	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$17,638	\$7.72 - 8.99

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51-6031	Sewing Machine Oprs	260	260	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$19,442	\$7.81 - 11.05
51-6041	Shoe/Leather Wrks/Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-6042	Shoe Machine Oprs/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-6051	Sewers/Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-6052	Tailors/Dressmakrs/Custom Sewrs	50	50	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$21,004	\$8.97 - 11.2
51-6061	Textile Bleach/Dye Mchn Ops/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-6062	Textile Cuttng Mchn Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-6063	Textl Knit/Weav Mchn Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-6064	Textl Wind/Twist/Draw Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-6091	Extr/Form Set/Op/Tnd/Syn/Glss Fibr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-6092	Fabric/Apparel Patternmakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-6093	Upholsterers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-6099	Textile/Apparel/Furnishng Wrks/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-7011	Cabinetmakers/Bench Carpenters	440	460	20	4.55%	10	10	20	Long-term on-the-job training	\$26,298	\$11.47 - 13.61
51-7021	Furniture Finishers	70	70	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$23,956	\$10.49 - 12.92
51-7031	Model Makers/Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-7032	Patternmakers/Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-7041	Saw Machn Set/Op/Tndrs/Wood	570	580	10	1.75%	10	20	30	Moderate-term on-the-job training	\$22,955	\$9.2 - 12.45
51-7042	Woodwrk Mchn Set/Op/Tndrs/Ex Saw	1,060	1,100	40	3.77%	20	30	50	Moderate-term on-the-job training	\$23,998	\$9.39 - 14.23
51-7099	WoodWrks/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-8010 ⁽⁸⁾	Pwr Plnt Oprs/Distributrs/Dispatchrs	100	100	0	0.00%	<5	<5	<5		*	*
51-8011 ⁽⁸⁾	Nuclear Power Reactor Operators	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	*	*
51-8012 ⁽⁸⁾	Power Distributors and Dispatchers	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	*	*
51-8013 ⁽⁸⁾	Power Plant Operators	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	\$40,926	\$15.23 - 23.67
51-8021	Stationary Engineers/Boiler Oprs	120	120	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$33,424	\$12.69 - 18.32
51-8031	Watr/Lqd Waste Trtmnt Plant/Sys Op	170	170	0	0.00%	<5	10	10	Long-term on-the-job training	\$39,304	\$16.97 - 21.57
51-8091	Chemical Plant/System Oprs	50	50	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$37,038	\$15.7 - 18.94
51-8092	Gas Plant Oprs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-8093	Ptrol Pump Sys Op/Refinery Op/Gaug	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-8099	Plant/System Oprs/All Other	30	30	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$31,268	\$10.68 - 18.69
51-9011	Chemical Equipment Oprs/Tndrs	200	200	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$45,138	\$15.44 - 28.21
51-9012	Sep/Filtr/Clarify/Prec/Still Set/Op/Tnd	180	180	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$30,904	\$12.52 - 16.72
51-9021	Crush/Grnd/Polish Set/Op/Tndrs	160	150	-10	-6.25%	<5	<5	<5	Moderate-term on-the-job training	\$26,738	\$10.3 - 15.25
51-9022	Grinding/Polishing Wrks/Hand	70	70	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,730	\$10.33 - 15.66
51-9023	Mix/Blend Machn Settrs/Oprs/Tndrs	210	200	-10	-4.76%	<5	10	10	Moderate-term on-the-job training	\$34,128	\$14.19 - 18.93
51-9031	Cutters/Trimmers/Hand	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$22,991	\$8.43 - 13.14
51-9032	Cut/Slice Machn Settrs/Oprs/Tndrs	260	260	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$28,405	\$11.76 - 15.89
51-9041	Extr/Form/Press/Compct Set/Op/Tnd	310	300	-10	-3.23%	<5	10	10	Moderate-term on-the-job training	\$28,724	\$12.17 - 15.93
51-9051	Furnce/Kln/Ov/Drier/Kettle Op/Tndrs	90	90	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,739	\$11.11 - 19.93

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51-9061	Inspect/Test/Sort/Sample/Weighers	840	870	30	3.57%	10	20	30	Moderate-term on-the-job training	\$29,452	\$11.93 - 16.13
51-9071	Jewel/Precious Stone/Metal Wrks	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
51-9081	Dental Lab Techs	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$33,635	\$11.47 - 17.44
51-9082	Medical Appliance Techs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-9083	Ophthalmic Lab Techs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-9111	Packagng/Filling Machn Oprs/Tndrs	1,460	1,490	30	2.05%	20	30	50	Short-term on-the-job training	\$25,882	\$10.29 - 14.66
51-9121	Coat/Paint/Spray Mchn Set/Op/Tndrs	500	510	10	2.00%	10	10	20	Moderate-term on-the-job training	\$33,190	\$12.8 - 18.44
51-9122	Painters/Trans Equipment	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,969	\$14.45 - 16.3
51-9123	Painting/Coating/Decorating Wrks	80	80	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$20,843	\$7.91 - 10.86
51-9131	Photographic Process Wrks	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$18,765	\$7.6 - 9.8
51-9132	Photographic Processng Mchn Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-9191	Cementng/Gluing Mchn Oprs/Tndrs	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,364	\$10.63 - 15.99
51-9192	Cln/Wash/Mtl Picking Eqp Ops/Tndrs	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,671	\$11.73 - 15
51-9193	Coolng/Freezng Eqpmnt Ops/Tndrs	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$29,896	\$12.27 - 16.51
51-9194	Etchers/Engravers	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$35,460	\$14.18 - 19.71
51-9195	Moldrs/Shaprs/Castrs/Ex Mtl/Plastic	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,938	\$12.01 - 15.43
51-9196	Paper Gds Machn Settrs/Oprs/Tndrs	980	990	10	1.02%	10	20	30	Moderate-term on-the-job training	\$34,052	\$14.85 - 17.65
51-9197	Tire Builders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-9198	Helpers--Production Wrks	1,470	1,490	20	1.36%	10	40	50	Short-term on-the-job training	\$25,716	\$9.42 - 14.51
51-9199	Production Workers, All Other	890	880	-10	-1.12%	<5	20	20	Moderate-term on-the-job training	\$26,572	\$8.93 - 16.33
53-0000	Trans/Material Moving Occupations	19,190	19,550	360	1.88%	180	410	590		\$27,069	\$9.09 - 16.25
53-1011	Aircraft Cargo Handling Supvsrs	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
53-1021	F-L Sups/Mgrs Help/Lab/Matrl Movrs	300	310	10	3.33%	<5	10	10	Work experience in a related occupation	\$39,192	\$13.88 - 22.9
53-1031	F-L Sups/Mgrs Trans/Matrl-Mov Oprs	480	490	10	2.08%	<5	10	10	Work experience in a related occupation	\$45,803	\$16.99 - 25.85
53-2011	Airline Pilots/Copilots/Flight Enginrs	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
53-2012	Commercial Pilots	10	10	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$47,154	
53-2021	Air Traffic Controllers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
53-3011	Ambulance Drivers/Atts/Ex EMTs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
53-3021	Bus Drivers/Transit/Intercity	170	170	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$22,302	\$7.4 - 14.19
53-3022	Bus Drivers/School	870	900	30	3.45%	20	20	40	Short-term on-the-job training	\$20,846	\$7.64 - 11.4
53-3031	Driver/Sales Wrks	470	470	0	0.00%	<5	10	10	Short-term on-the-job training	\$27,112	\$10.04 - 16.08
53-3032	Truck Drivers/Heavy/Tractor-Trailer	5,380	5,530	150	2.79%	70	80	150	Moderate-term on-the-job training	\$35,004	\$13.37 - 19.91
53-3033	Truck Drivers/Light or Delivery Srvc	1,990	2,050	60	3.02%	30	20	50	Short-term on-the-job training	\$25,308	\$9.05 - 14.66
53-3041	Taxi Drivers/Chauffeurs	250	260	10	4.00%	10	<5	10	Short-term on-the-job training	\$18,920	\$7.71 - 10.03
53-3099	Motor Vehicle Oprs/All Other	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$18,696	\$6.51 - 9.93
53-4099	Rail Trans Wrks/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
53-5011	Sailors/Marine Oilers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
53-5021	Cptns/Mates/Pilots of Watr Vessels	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
53-5022	Motorboat Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*

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53-6011 ⁽⁸⁾	Bridge/Lock Tendrs	(8)	(8)	(8)	(8)	<5	<5	<5	Short-term on-the-job training	*	*
53-6021	Parking Lot Attendants	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$19,244	\$7.74 - 10.43
53-6031	Service Station Attendants	*	*	*	*	<5	10	10	Short-term on-the-job training	*	*
53-6041 ⁽⁸⁾	Traffic Technicians	(8)	(8)	(8)	(8)	<5	<5	<5	Short-term on-the-job training	*	*
53-6051	Trans Inspectors	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$45,617	\$10.67 - 35.55
53-6099 ⁽⁸⁾	Transportation Workers, All Other	(8)	(8)	(8)	(8)	<5	<5	<5	Short-term on-the-job training	*	*
53-7011	Conveyor Oprs/Tendrs	100	100	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$27,414	\$10.2 - 16.06
53-7021	Crane/Tower Oprs	70	70	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$40,660	\$15.89 - 22.72
53-7031	Dredge Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
53-7032	Excvtng/Loadng Mchn/Dragline Oprs	50	60	10	20.00%	<5	<5	<5	Moderate-term on-the-job training	\$33,072	\$13.49 - 17.89
53-7033	Loadng Mchn Oprs/Undrgrnd Minng	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
53-7041	Hoist/Winch Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
53-7051	Industrial Truck/Tractor Oprs	1,750	1,780	30	1.71%	10	30	40	Short-term on-the-job training	\$27,388	\$10.86 - 15.47
53-7061	Cleaners of Vehicles/Equipment	460	460	0	0.00%	<5	20	20	Short-term on-the-job training	\$18,744	\$6.77 - 10.83
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	3,660	3,650	-10	-0.27%	<5	140	140	Short-term on-the-job training	\$22,439	\$8.36 - 12.73
53-7063	Machn Feeders/Offbearers	740	770	30	4.05%	10	20	30	Short-term on-the-job training	\$19,904	\$8.09 - 10.57
53-7064	Packers/Packagers/Hand	1,770	1,810	40	2.26%	20	30	50	Short-term on-the-job training	\$17,802	\$6.73 - 9.84
53-7072	Pump Oprs/Ex Wellhead Pumpers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
53-7081	Refuse/Recyclable Mtrl Collectors	160	160	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$22,396	\$8.01 - 12.82
53-7121	Tank Car/Truck/Ship Loaders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
53-7199	Material Moving Wrkrs/All Other	120	120	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$31,009	\$8.57 - 19.73

Occupational Projections for Northcentral Wisconsin: 2003-2005

Notes

- (1) **Employment** is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment does not include self-employed, unpaid family workers, or railroad employees.
- (2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force.
Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) **Total openings** are the sum of new jobs and replacements.
- (4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in the occupation.
There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.
Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.
Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.
Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.
Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.
Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.
Associate Degree: This degree requires two years of full-time academic work beyond high school.
Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.
Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.
Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.
First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.
Bachelor's or higher degree, plus work experience: These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.
- (5) **Average Annual Salary:** An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation.
In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (6) **Hourly Wage Rate - Middle Range:** The middle range identifies the 25th and 75th percentiles in the hourly wage distribution for a given occupation. Fifty percent of the workers in the occupation earn wages in this range. In most cases, the entry level wage is at or below the 25th percentile.
- (7) This code is specific to the Occupational Employment Statistics (OES) Survey and is not an official SOC code.
- (8) 33-2020 includes employment for 33-2021 and 33-2022. Education/training and wages are shown individually, if available.
47-5040 includes employment for 47-5041 and 47-5042. Education/training and wages are shown individually, if available.
51-8010 includes employment for 51-8011, 51-8012, and 51-8013. Education/training and wages are shown individually, if available.
53-6099 includes employment for 53-6011 and 53-6041. Education/training and wages are shown individually, if available.
- (9) Depending upon the specific position and employer either a bachelor's degree or an associate degree are most common.

* Data is suppressed to preserve the confidentiality of employers

Information is derived using the May 2003 OES Survey, 2003 QCEW and 2003 CES (3/03 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2003 to 2005. It is important to note that unanticipated events may affect the accuracy of these projections.

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004

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